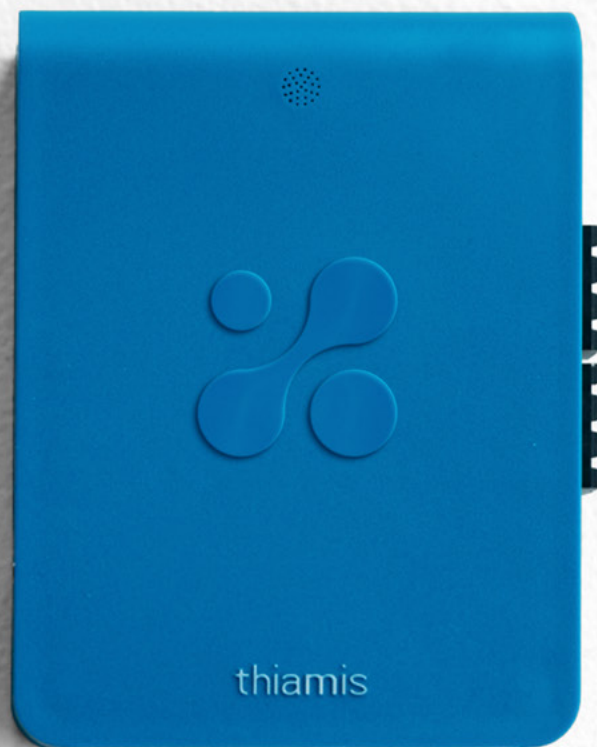


# thiamis

## Technical Specifications



# thiamis TECHNICAL SPECIFICATIONS

## General

<b>Input Voltage</b>	12 VDC, USB-C
<b>Power</b>	4.6 Watt
<b>Operating Temperature</b>	-30 °C to 75 °C ( -22 F to 167 F)
<b>Certifications</b>	CE, FCC, PTCRB

## Communications

<b>Cellular</b>	4G LTE / 3G / 2G
<b>WiFi</b>	802.11 b/g/n
<b>Bluetooth</b>	Bluetooth 4.0
<b>Mesh</b>	Zigbee
<b>GPS</b>	A-GPS, Sensitivity > -165dBm, 3m Accuracy
<b>Antenna</b>	Built-in (2G/ 3G / 4G, GPS, Zigbee, Bluetooth) External MCX Female (Cellular and GPS) <i>[Optional]</i>
<b>SIM Card</b>	Built-in

## Data Logging

<b>Digital Ports</b>	RS-485, RS-232 (3-multiplexed), SDI-12, 2xUSB-C
<b>Delta Port</b>	Expansion port for Analog and Digital I/Os
<b>Wireless Ports</b>	Mesh, Bluetooth and WiFi
<b>Clock</b>	Real-time
<b>Protocols</b>	ASCII, ModBUS, SDI-12. UMB and more
<b>Memory</b>	Built-in

## Sensors (built-in)

<b>Temperature</b>	<b>Range</b>	0° - 45° C
	<b>Resolution</b>	0.1 °C
	<b>Maximum Error</b>	± 0.5° C from 15° - 30° C
<b>Humidity</b>	<b>Range</b>	15 - 75% RH
	<b>Resolution</b>	0.1 %RH
	<b>Maximum Error</b>	± 2 %RH
<b>Barometer</b>	<b>Range</b>	300-1100 hPa
	<b>Resolution</b>	± 0.12 Pa
	<b>Maximum Error</b>	± 1.3 Pa